## **EXHIBIT A**

## THERMO FINNIGAN LLC v. APPLERA CORPORATION CIVIL ACTION NO. 04-1505-GMS (D. DEL.)

## JOINT CLAIM CONSTRUCTION CHART

U.S. Patent No. 5 385 654	Claims at Issue	ТНЕ	THERMO	APPLERA	,ERA
Claim Term	at Essue	CONSTRUCTION	INTRINSIC EVIDENCE	CONSTRUCTION	INTRINSIC EVIDENCE
anions	Jacob Jacob	Negatively charged ions.	'654 patent: 1:1-2, 1:7-9, 2:25-26, 4:31-35.	Low molecular weight monomeric negatively charged ions.	'654 patent: 1: 18-22, 1: 38-49; 2: 16-20, 2: 24-25, 2: 57-
			Prosecution history: Amendment, 1/17/94, p. 4.		31-34; 5: 22-32, 5: 44-66; 6: 8-11, 6: 29-31, 6: 47-54, 7: 11-15, 7: 47-52; 8: 17-21, 8: 40-45
					Kelly, August 1992, Research Disclosure August 10, 1993, "Separation of Organic Acids using Phthalate for Indirect UV Detection."
capillary electrophoresis		Electrophoresis, or the movement of ions under the influence of an electric field, that takes place in a capillary tube.	'654 patent: 1:18-22, 1:13-2:20.	A chemistry technique which utilizes the differences in solute electrophoretic velocity to isolate the various components of a sample	'654 patent: 1: 13-23, 1: 50-65 Weinberger '382 patent (incorporated by reference):

THERMO  INTRINSIC EVIDENCE  anions by '654 patent: 19: asample at 3:41-44, 7:24-26.	detecting said anions by simultaneously monitoring said sample at two different wavelengths wavelengths
INTRINSIC EVIDENCE  CONSTRUCTION  A4, 7:24-26.  Detecting the anions the sample by simultaneously	Detecting the anions by monitoring the sample at two different wavelengths at the same time.  254  3:41- Prose
CTIC	'654 patent: 3:41-44, 7:24-26.  Prosecution history: Amendment, 1/17/94,
	Detecting the anions in the sample by simultaneously monitoring the

		Claim Term	U.S. Patent No. Claims 5,385,654 at Issue
		CONSTRUCTION	
		EVIDENCE	
		CONSTRUCTION	APP
Dichromate for Indirect UV Detection."  Kelly and Nelson, J. Chrom (1993) 16: 2103-2122, copy of submitted paper.  Jones, '506 patent: 3: 12-22, 4: 34-36, 5:	Foret et al. J. Chrom. (1989) 470: 299-308, pp. 299, 300  Kelly and Burgi, August 1992, Research Disclosure 34016, "Separation of Small	EVIDENCE carryover to p. 7.	APPLERA

U.S. Patent No.	Claims	THERMO	RMO	APPLERA	ÆRA
Claim Term	4. 135 ac	CONSTRUCTION	INTRINSIC EVIDENCE	CONSTRUCTION	INTRINSIC EVIDENCE
maintaining the temperature in said capillary to within +/-0.5°C of said target temperature	=======================================	Maintaining the temperature in the capillary to within +/- 0.5°C of the target temperature.	'654 patent: 3:23-25, 3:65-4:1, 4:59- 62, 6:17-19.	Maintaining the temperature throughout the fluid in the capillary to within +/- 0.5°C of the target temperature by monitoring electrical	7654 patent: Abstract: 3-5, 2: 26-30, 2: 40-47, 3: 21-26, 4: 59-62, 5: 1-14, 6: 3-5, 6: 17-19, 7: 22-24
				resistance in the capillary and maintaining the resistance at a constant level.	Weinberger '382 patent (incorporated by reference): 8: 4-9, 11: 29 – 12: 34  Kurosu et al. J. High Res. Chrom. (1991) 14:
electroosmotic flow	<b>1</b> S	Flow in a capillary under the influence of an electric field.	7654 patent: 2:63-67, 5:33-43.	The bulk flow of liquid due to the effect of an electric field on cations adjacent to amonic groups immobilized on the capillary wall.	Weinberger '382 patent (incorporated by reference): 1: 27-32, 3: 50-65
electroosmotic flow modifier	15	Substance that modifies the electroosmotic flow.	,654 patent: 2:63-67, 5:33-43.	A small cationic molecule that neutralizes the charge on the capillary wall.	'654 patent: 2: 13-15, 2: 63 - 3: 4, 5: 33-44, 5: 51-53, 6: 48- 49, 7: 1-9, 7: 47-52, 8: 10-17, 8: 35-36

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						Claim Term	U.S. Patent No. 5.385.654
							Claims at Issue
a none and						CONSTRUCTION	THERMO
						INTRINSIC EVIDENCE	RMO
- Control of the Cont						CONSTRUCTION	APPI
3: 61 – 4: 8	Chrom. (1993) 16: 2103-2122, copy of submitted paper.	Anions using Dichromate for Indirect UV Detection."	Kelly and Burgi, August 1992, Research Disclosure 34016, "Separation of Small	Disclosure August 10, 1993, "Separation of Organic Acids using Phthalate for Indirect UV Detection."	Morin et al., Fresenius J. Anal Chem. (1992) 342: 357 – 362, p. 359.	INTRINSIC EVIDENCE	APPLERA